1. PURPOSE. This order establishes the continuing responsibilities and procedural guidelines required to maintain and update the engine generator data base.

2. DISTRIBUTION. This order is distributed to selected offices and services in Washington headquarters, NAFEC, and the Aeronautical Center; to regional Airway Facilities divisions to branch level, and to Airway Facilities field offices having engine generators.

3. CANCELLATION. Order 6980.17, Standby Power Reporting System Implementation (RIS: AF 6980.1) is canceled.

4. BACKGROUND. An engine generator data base was established by the implementation of Order 6980.17 and, accordingly, procedures for data base maintenance and update have been developed. This order implements the maintenance and update procedures and responsibilities on a continuing basis so that program information will be current, accurate, and readily accessible for use in the management of the standby power program.

5. SCOPE. The system outlined in this order is designed to provide the continuing physical status of the standby power systems through the use of a rapid data retrieval system and information data bank. The standby power system covered by this order is the engine generator and its associated equipment.

6. SUMMARY. The system prescribed in this order provides for uniform and positive reporting of the following standby power systems and projects:

   a. F & E direct-funded standby engine generators and associated projects.

   b. Operations-funded standby engine generators and associated projects.

   c. Standby engine generators relocated by regional personnel.

   d. All standby power covered by Order 6030.20B, Provision of Electrical Power for National Airspace System Facilities.

Distribution: SELECTED AIRWAY FACILITIES FIELD OFFICES; RAF-3; ZAF-600 **Initiated By:** AAF-530

c. To maintain essential management data required to meet agency goals in programs for the establishment of new facilities and upgrading of existing facilities.

d. To provide management data useful in determining standby power problem areas and developing appropriate solutions.

e. To provide on a continuing basis the status of the standby power system at each facility in the National Airspace System.

f. To provide accurate information on quantity, location, and change status.

g. To provide locations of standby power installations for distribution of directives.

8. RESPONSIBILITIES.

a. Each Airway Facilities sector office is responsible for:

* (1) Providing complete data for all new, relocated, or modified power systems at each facility within its respective sector, including portable engine generators and units in storage.

(2) Completing the data sheets, showing changes including installation, relocation, or modification actions, using the data base description as identified in appendix 2. *

(3) Collection and review of data sheets.

* (4) Quarterly transmittal of the completed data sheets directly to the regional Airway Facilities division, with cut-off dates of December 15, March 15, June 15, and September 15. However, data sheets may be submitted monthly or as often as desired. *

to maintain the data base descriptors and update data.

* (3) Collection, review, and consolidation of completed data sheets and quarterly submission of these sheets to the Airway Facilities Service (AAF-530), with cut-off dates of January 1, April 1, July 1, and October 1. However, data sheets may be submitted monthly or as often as desired.

(4) Providing timely updating information for the central data base as given by the sector under paragraph 8 a(4). Updating shall not be delayed for more than 90 days after a change occurs. Data sheets will be submitted to AAF-530 for processing on a quarterly basis, with cut-off dates of January 1, April 1, July 1, and October 1. However, data sheets may be submitted monthly or as often as desired.

(5) Ensuring that the central data base information is correct and current as of January 20, April 20, July 20, and October 20. *

(6) Coordination and monitoring of that section of the central data base pertaining to that region.

(7) Ensuring that all engine generators installed or stored (within the region) are included in the data base.

c. The Aeronautical Center is responsible for:

* (1) Providing complete data for all new or used standby power systems held in storage at the FAA Depot, including mobile emergency powerplants and standby power systems used at the FAA Academy. This is to include all receipts and shipments of engine generators into and out of the FAA Depot. *

(2) Completing the data sheet (appendix 1) using the data base description as identified in appendix 2.

(3) Collection and review of data sheets.

(AAF-500 responsibility.)

(2) Furnishing and programming update information relative to the national procurement of engine generators and units stored in the FAA Depot. (AAF-500 responsibility.)

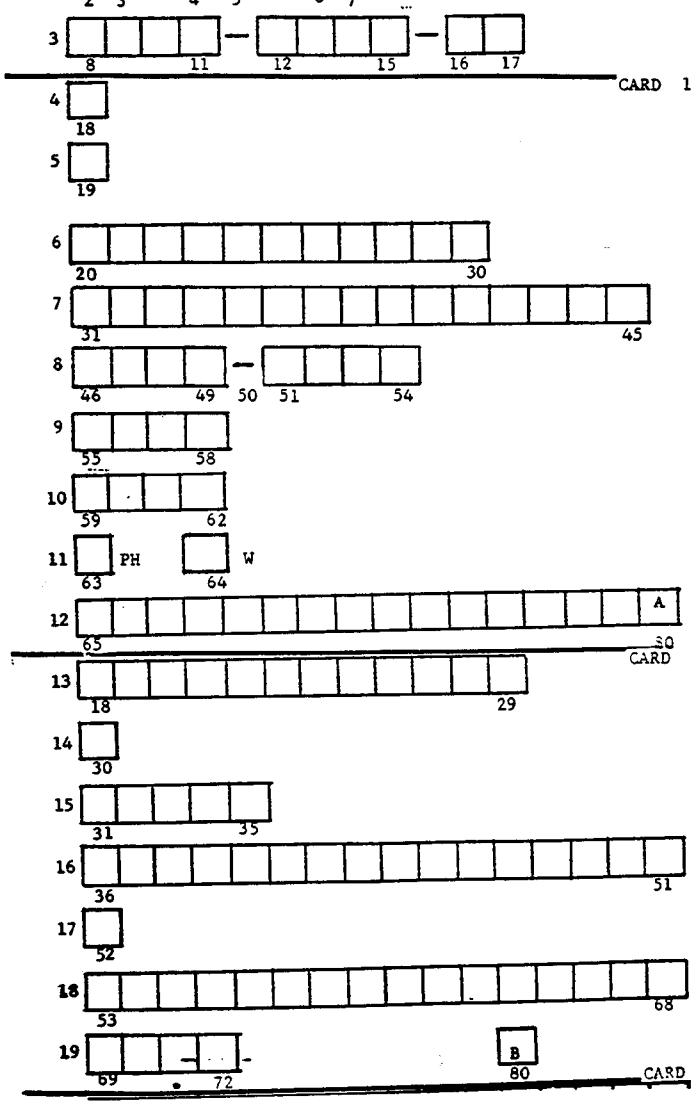
(3) Maintaining the data base for use by all FAA offices as required. (AAF-500 responsibility.)

(4) Monitoring and updating the data base quarterly so that the data base is current as of January 20, April 20, July 20, and October 20. (AAF-500 responsibility.) *

9. DEFINITIONS. For the purpose of this order, the definitions in appendix 2 shall be used. The list of defined terms is provided as a convenience and is intended to provide a clear text for each reporting phase of the standby power project required. Reference to source directives is included with the definitions where appropriate.

10. FORMS AVAILABILITY. FAA Form 6980-4(3-77), Standby Power Systems, supersedes FAA Form 6980-4(11-75), Engine Generator Data Sheet, which will no longer be used. FAA Form 6980-4 will be available by June, 1977, and will be stocked in the FAA Depot, NSN: 0052-00-863-400, unit of issue: Sheet.

WARREN C. SHARP
Director, Airway Facilities Service



3. SERIAL NUMBER OF ENGINE GENERATOR - INSERT LEADING ZEROS (Example: ØØ3Ø-ØØ87-57)

4. TYPE OF UNIT
   E - ENGINE GENERATOR M - MOBILE POWER UNIT
   P - POWER PLANT

5. ALTERNATE POWER
   S - POWER CONDITIONING SYSTEM
   A - SECOND COMMERCIAL POWER SOURCE
   B - BATTERIES

6. CONTRACT NUMBER OF UNIT

7. CONTRACTOR NAME (ASSEMBLER OF UNIT)

8. OPERATING VOLTAGE OF GENERATOR (EXAMPLE: Ø12Ø-Ø2Ø8)

9. MEASURED MAXIMUM CONNECTED FACILITY LOAD ON GENERATOR IN kW (EXAMPLE: ØØ28)

10. MINIMUM POWER REQUIRED FOR FULL FACILITY OPERATION IN kW (Example: ØØ13)

11. CLASS - NUMBER OF PHASES AND WIRES (EXAMPLE: 3PH-4W)

12. ENGINE MANUFACTURER NAME

13. ENGINE MODEL NUMBER

14. TYPE FUEL USED
   G - GASOLINE N - NATURAL GAS
   D - DIESEL

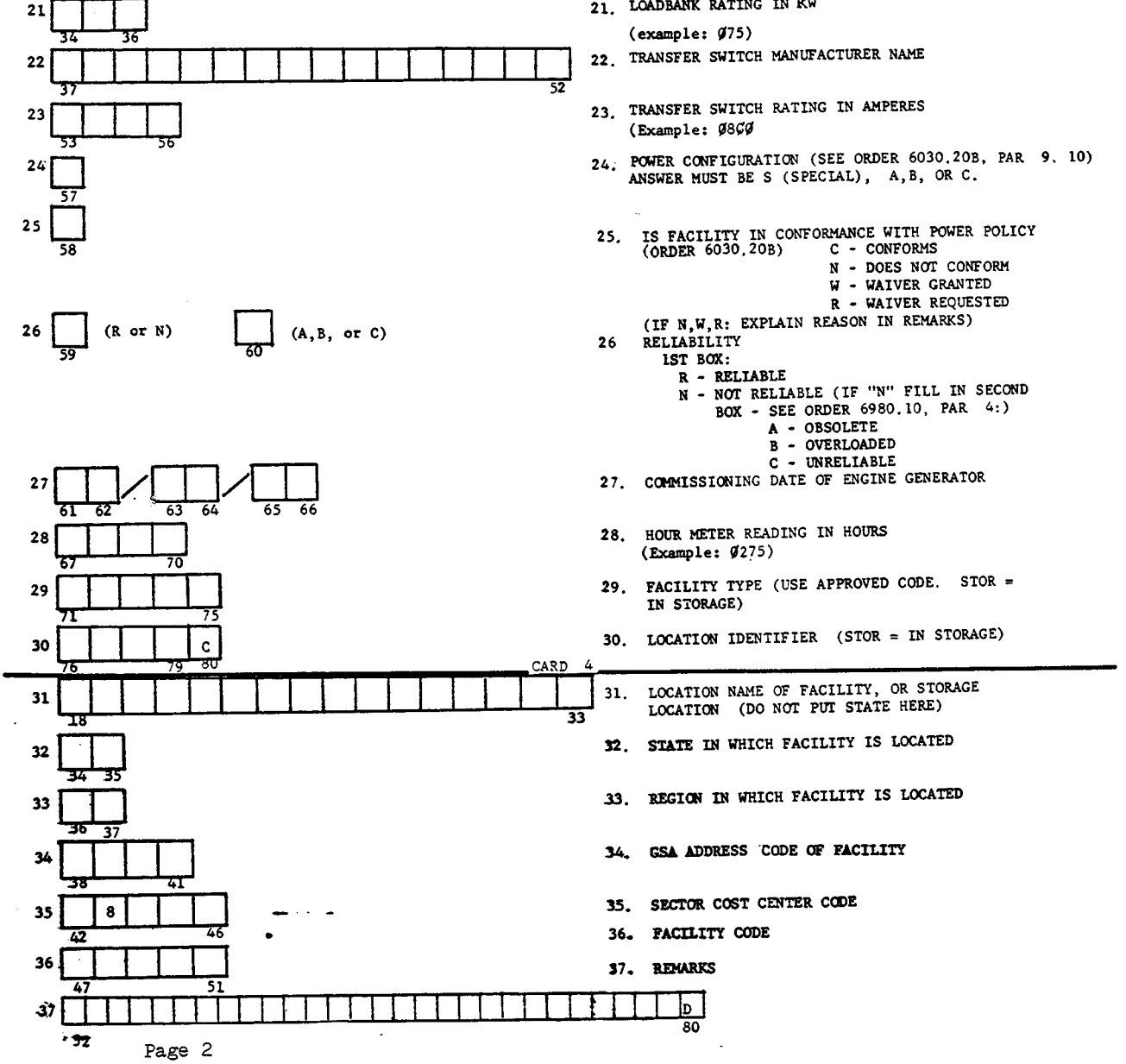
15. TOTAL FUEL STORAGE TANK CAPACITY, IN GALLONS (Example: ØØ515)

16. GOVERNOR MANUFACTURER NAME

17. GOVERNOR TYPE
   M - MECHANICAL E - ELECTRIC
   H - HYDRAULIC

18. BYPASS SWITCH MANUFACTURER NAME

19. BYPASS SWITCH CURRENT RATING IN AMPERES (Example: ØØ5Ø



21. LOADBANK RATING IN KW
(example: Ø75)

22. TRANSFER SWITCH MANUFACTURER NAME

23. TRANSFER SWITCH RATING IN AMPERES
(Example: Ø8ÇØ

24. POWER CONFIGURATION (SEE ORDER 6030.20B, PAR 9, 10)
ANSWER MUST BE S (SPECIAL), A,B, OR C.

25. IS FACILITY IN CONFORMANCE WITH POWER POLICY
(ORDER 6030.20B)
C - CONFORMS
N - DOES NOT CONFORM
W - WAIVER GRANTED
R - WAIVER REQUESTED
(IF N,W,R: EXPLAIN REASON IN REMARKS)

26 RELIABILITY
1ST BOX:
R - RELIABLE
N - NOT RELIABLE (IF "N" FILL IN SECOND BOX - SEE ORDER 6980.10, PAR 4:)
A - OBSOLETE
B - OVERLOADED
C - UNRELIABLE

27. COMMISSIONING DATE OF ENGINE GENERATOR

28. HOUR METER READING IN HOURS
(Example: Ø275)

29. FACILITY TYPE (USE APPROVED CODE. STOR = IN STORAGE)

30. LOCATION IDENTIFIER (STOR = IN STORAGE)

31. LOCATION NAME OF FACILITY, OR STORAGE LOCATION (DO NOT PUT STATE HERE)

32. STATE IN WHICH FACILITY IS LOCATED

33. REGION IN WHICH FACILITY IS LOCATED

34. GSA ADDRESS CODE OF FACILITY

35. SECTOR COST CENTER CODE

36. FACILITY CODE

37. REMARKS

Form 6980-4 as shown in appendix 1. Complete all items.

appendix 1. Fill in items 1,2,3,29,30,31,32,33, 34,35, and 36, plus any other necessary fields.)

C - Replacement

(Unit taken out - ref. FAA Form 6980-4 as shown in appendix 1. Fill in item 1,2,3, 29,30,31,32,33,34,35, and 36.)
(Unit going into facility - ref. FAA Form 6980-4 as shown in appendix 1. Fill in all applicable fields)

D - Removal - No replacement

(Ref. FAA Form 6980-4 as shown in appendix 1. Fill in items 1,2,3, 29,30,31,32,33,34,35 and 36)

E. Surveyed (Ref. FAA Form 6980-4 as shown in appendix 1. Fill in items 1,2,3,4,29,30,31,32, 33,34,35, and 36)

F. First (original) inventory. (No more reports will have this code).

2. Date of Report. This item represents the currency of the report data. It is the actual date of collection of data and preparation of the report.

3. Serial Number. Serial number of the engine generator. Example: 30-658-59 becomes ØØ3Ø-Ø658-59.

4. Type of Unit.

Example: E - Engine generator
P - Powerplant
M - Mobile power unit

of powerplant. Example: NAVAERVN (Note: Dashes and spaces are not permitted in the field.)

7. Contractor Name/Assembler of Unit. The name of the contractor (unit assembler). Example:

ATLANTIC	AUTOMATIC ELEC	CATERPILLAR
COLUMBIA	CONSOLIDATED	CUMMINS
DARR	DAYTON	ELECTRIC MACH
EMERSON	FAA	FABRICK
FERMONT	GENERAL MOTORS	HOLGAR
HOLLINGSWORTH	HOLT	IDECO
INET SPRAGUE	JOHN REINER	KATO
KING KNIGHT	KOHLER	LEROI
LIBBY WEIDING	ONAN	PORTER
PRICE	RUSSELL	SALYERS EQUIP
SCHOONMAKER	SEARS ROEBUCK	SIMPLEX
SINEX	STEWART STEVENS	SWAN ELECTRIC
SWEINHART	TMC	US MOTORS
WARNER SWASEY	WAUKESHA	WEST COAST ENG
WESTINGHOUSE	WHITE SUPERIOR	WINPOWER

8. Operating Voltage of Generator. The operating voltage of the generator. Example: (Ø12Ø-Ø24Ø) or (Ø12Ø-Ø2Ø8).

9. Measured Maximum Connected Facility Load in kW. This is the facility load in kW as calculated using a power factor of 0.8 and the load current measured at the facility entrance switch using a clamp-on ammeter. (Example: ØØ3Ø)

10. Critical Load. Minimum power required for full operation of the facility, in kW. (Example: Ø45Ø)

12. Engine Manufacturer's Name. The name of the engine manufacturer. Example:

ALLIS CHALMERS	BEDFORD DIESEL	BRIGGS STRATTON
CATERPILLAR	CHRYSLER	CONTINENTAL
CRAFTSMAN	CUMMINS	DETROIT DIESEL
FORD	HERCULES	INTERNATIONAL
JOHN REINER	KOHLER	LEROI
ONAN	P H	WARNER SWASEY
WAUKESHA	WHITE SUPERIOR	WILLYS

13. Engine Model Number. The engine model number. Example: R602, NT335, D342, etc. (Note: Dashes and spaces are not permitted in this field.)

14. Fuel. The type of fuel used.
G - Gasoline
D - Diesel
N - Natural gas

15. Total Fuel Storage Capacity. The total capacity of the storage tank(s), in gallons. (Example: ØØ515)

16. Governor Manufacturer's Name. The governor manufacturer's name.

ANDERSON	BENDIX	BOSCH
CATERPILLAR	CURTIS WRIGHT	ELECTRIC REG
FAIRBANK MORSE	GOVOHM	HOOF
INDUSTRIAL	INTERNATIONAL	JOHN REINER
KOHLER	LEROI	MARQUETTE
MASSEY	METERING CONTROL	MONARCH
ONAN	PENN ELECTRIC	PIERCE
ROOSAMASTER	ROOSATRONIC	SIMMS
STANADYNE	SYNCHROSTART	UMMUAR
WAUKESHA	WESTINGHOUSE	WOODWARD

bypass switch. Example:

ALLEN BRADLY	AMER SOLENOID	ARROW HART
ASCO	BARKELEW	BULLDOG
CUTLER HAMMER	ELEC SPECIALTY	FAA
FEDERAL PACIFIC	GENERAL ELECTRIC	HOME MADE
INSTRUMENT LAB	LAKESHORE	MEYERS
ONAN	POWERCON	RUSSELL
SQUARE D	SWITCH GEAR	TRUMBULL
UNKNOWN	WADSWORTH	WESTINGHOUSE
WOODWARD	ZENITH	

19. Bypass Switch Capacity. The current rating of the bypass switch, in amperes. Example: ØØ5Ø.

20. Loadbank Manufacturer's Name. The name of the manufacturer of the loadbank.

Example:

AEROTRONIC	AMERICAN RECT	ASSOCIATED
AVTRON	BULLDOG	CANO
CHAMPION	CHROMOLOX	CROWN
DIXIE	EAGLE	EMS
EXMET	FAA	FEDERAL PACIFIC
FERMONT	GENERAL ELECTRIC	HOLLINGSWORTH
INET SPRAGUE	JOHNSON ELECTRIC	KING KNIGHT
LABPOWER	LOCAL MFR	MARINE VIEW
MARKEL	NANODYNE	NELCO
PAUL MORROW	POST GLOVER	RUSSELL
SCHAFFER	SIMPLEX	SO WEST ELECT CO
SWAN	TECH	TELEDYNE
TMC	UNKNOWN	US CONTROLS
WADSWORTH	WESTERN ELECTRIC	WIEGAND
WOLFE & MANN		

CLARK CONTROL	CUTLER HAMMER	
FEDERAL PACIFIC	GENERAL ELECTRIC	GW
KOHLER	LAKESHORE	MONITOR CONTROL
ONAN	POWERCON	RUSSELL
SEARS	SIMPLEX	SQUARE D
STRUTHERS DUNN	SWAN	SWITCH GEAR
TRUMBULL	UNKNOWN	WESTINGHOUSE
WINPOWER	ZENITH	

23. Transfer Switch Rating. The rating of the transfer switch, in amperes. Example: Ø2ØØ

24. Power Configuration. The actual power configuration of the facility as defined in Order 6030.20B, Provision of Electrical Power for National Airspace System Facilities. Example: Configuration A,B,C, or S.

25. Conformance of Facility to Power Policy. Is the facility electrical system in conformance with the power policy (Order 6030.20B)?
Example: C - Conforms
N - Does not conform
W - Waiver granted
R - Waiver requested

Explain reason for waiver and nonconformance under remarks (item 37).

26. Reliability of the Standby Power Unit. The actual reliability (performance record) of the standby power unit. Example: reliable, not reliable. (See Order 6980.10, Replacement of Obsolescent, Overloaded, or Unreliable Engine Generators, paragraph 4). If not reliable, which of the following reasons best describes the cause?

A - Obsolescent
B - Overloaded
C - Unreliable - other causes

27. Commissioning Date. The date the engine generator or powerplant was commissioned.

30. Location Identifier. The facility location identifier as indicated in the Facility Master File. Example: MKCC, OHM, DOT, RNI, etc. (Left-justified.)

31. Location Name. The facility location name as indicated in the Facility Master File. Example: Omaha, Lincoln, Richland, Topeka, etc.

32. State in which Facility is Located. Standard agency two-letter state abbreviation as indicated in the Facility Master File. Example:

Alaska	AK	Missouri	MO
Alabama	AL	Montana	MT
Arizona	AZ	Nebraska	NE
Arkansas	AR	Nevada	NV
California	CA	New Hampshire	NH
Canal Zone	CZ	New Jersey	NJ
Colorado	CO	New Mexico	NM
Connecticut	CT	New York	NY
Delaware	DE	North Carolina	NC
Dist. of Col.	DC	North Dakota	ND
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Idaho	ID	Pennsylvania	PA
Illinois	IL	Puerto Rico	PR
Indiana	IN	Rhode Island	RI
Iowa	IA	South Carolina	SC
Kansas	KS	South Dakota	SD
Kentucky	KY	Tennessee	TN
Louisiana	LA	Texas	TX
Maine	ME	Utah	UT
Maryland	MD	Vermont	VT
Massachusetts	MA	Virginia	VA
Michigan	MI	Virgin Islands	VI
Minnesota	MN	Washington	WA
Mississippi	MS	West Virginia	WV
		Wisconsin	WI

33. Region in Which Facility is Located. The region standard two-letter code as indicated in the Facility Master File. Example: CE, NE, AL, SO, SW, NW, etc.

34. GSA Address Code of Facility. The GSA address code as indicated in the Facility Master File.

35. Sector Cost Center Code. The sector cost center code as indicated in the Facility Master File.

36. Facility Code. The facility code as indicated in the Facility Master File.

37. Remarks.